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PROCEEDINGS OF SOCIETIES.

ENTOMOLOGICAL SECTION OF THE BOSTON SOCIETY OF NATURAL HISTORY.

28 JAN. 1880. — Mr. S: H. Scudder showed some excellent drawings of fossil hemiptera, made by J. H. Blake. — Dr. H. A. Hagen read an additional note upon the larva and fly supposed to have been taken from a girl's neck, in Toronto, and gave a list of the instances in which *Sarcophaga* had been found in the human body. He also read a paper on the literature relating to galls. — Mr. E: Burgess described the structure and physiology of a butterfly's proboscis.

25 FEB. 1880. — Mr. S: H. Scudder showed some plates on which were figured all the fossil insects known from British Columbia. — Dr. H. A. Hagen read a paper on the mouth of *Nemognatha*, criticising Hermann Müller's speculations on the development of the insect proboscis. Dr. Hagen discussed the results of Dr. Palmen's studies on the tracheal system of insects, describing his own views of the condition of the stigmata during pupation, &c., and showed specimens and drawings to illustrate the respiratory apparatus of many water insects. — Mr. E: Burgess made further remarks on the structure of the butterfly proboscis.

24 MAR. 1880. — Mr. E: Burgess showed under the microscope the structure and explained the

workings of the pharyngeal bulb in the head of lepidoptera; he showed also the structure and arrangement of the muscles in the proboscis.

B: PICKMAN MANN, *Secretary*.

REVIEWS.

KATTER'S INDEX ENTOMOLOGICUS Pars I [see Rec., no. 1610] is a list of the entomologists of Europe as far as its author has been able to learn their names, together with their addresses, the departments of entomology to which they give their especial attention, and an indication of those desiring to exchange specimens. To the above is added a list, extracted from the *Naturalists' Directory* (Salem, 1878), of 73 American collectors desiring to exchange, and a list of the entomological societies and publications of the world. Although the list is defective for countries outside of Germany, yet the following comparison, based on a hasty count, not including the five pages of additions and errata, may be of interest. The entomologists and collectors enumerated are distributed as follows: Germany, 740; Austria, 213; Switzerland, 97; Holland, 84; Belgium, 93; Italy, 128; Spain, 19; Portugal, 2; Greece, 3; Roumania, 1; Russia, 58; Finland, 8; Sweden, 26; Norway, 2; Denmark, 4; England, 433; Scotland, 15; Ireland, 3; France (whose coleopterists are not included), 197; total, 2126. Of entomological societies, Europe is credited with 17; America, 4, and Australia, 1.

G: D.

BERNHARD GERHARD's catalog of the macrolepidoptera of North America [see Rec., no. 1594] seems to have received but little notice at the hands of entomologists. Like most publications of its kind which have been compiled in localities distant from the land the fauna of which they enumerate, Gerhard's catalog is imperfect and incomplete in many particulars. This catalog assumes to give the synonymy of our species, but contains the names of only 103 genera of *rhopalocera* out of over 150 names which may fairly be termed in modern use. It is useless to call attention to special errors, as our species are so well cataloged by American writers. G: D.